

SEQUENCE OF CONSTRUCTION (PART 1 ONLY)

PHASE I

- CONDUCT PRE-CONSTRUCTION MEETING. NOTIFY THE DEPARTMENT OF NEIGHBORHOOD AND ENVIRONMENTAL PROGRAMS AT LEAST 48 HOURS BEFORE COMMENCING WORK AT (410) 263-7946, AS WELL AS THE DEPARTMENT OF PUBLIC WORKS AT (410) 263-7949. WORK MAY NOT COMMENCE UNTIL THE PERMITTEE OR THE RESPONSIBLE PERSONNEL HAVE MET ON-SITE WITH THE SEDIMENT AND EROSION CONTROL INSPECTOR AND ANNAPOLIS CITY ENVIRONMENTALIST TO REVIEW PLANS. THE LIMIT OF DISTURBANCE (LOD) WILL NEED TO BE STAKED. CITY STAFF, A LICENSED TREE CARE EXPERT AND A CIVIL ENGINEER WILL NEED TO WALK THE LOD TO DETERMINE WHICH TREES WILL BE PRESERVED AND HOW THAT WILL BE DONE. THE LOD MAY NEED TO BE ADJUSTED. ALL REQUIRED TREE PRESERVATION MEASURES AS PER THE MANUAL (PAGE 3-21 THROUGH 3-32), CITY CODE 17.09 AND THE SITE VISIT WILL NEED TO BE SHOWN ON THE PLANS. TREE PRESERVATION MEASURES MAY INCLUDE, BUT NOT BE LIMITED TO, ROOT PRUNING, TREE PROTECTION FENCING, THE USE OF FILTER LOGS INSTEAD OF SILT FENCE, AND TREE PROTECTION MATTING OR A 6" LAYER OF WOOD CHIPS. AFTER THE PRE-CONSTRUCTION MEETING, CITY STAFF WILL CONDUCT AN INSPECTION OF ALL SEDIMENT AND EROSION CONTROL MEASURES AND TREE PRESERVATION MEASURES. NO SITE WORK IS TO START PRIOR TO CITY STAFF APPROVING ALL SEDIMENT AND EROSION CONTROL MEASURES AND TREE PRESERVATION MEASURES. DURATION.....1 DAY
- EXISTING TOPOGRAPHY MUST BE FIELD VERIFIED FOR THE SEDIMENT CONTROL INSPECTOR PRIOR TO COMMENCING WORK. DURATION.....1 DAY
- CLEAR AND GRADE FOR INSTALLATION OF STABILIZED CONSTRUCTION ENTRANCE (SCE), STORM DRAIN TO THE SEDIMENT TRAP (STORM DRAINAGE FROM STR. NO. 1 TO STR. NO. 11, AND TEMPORARY BARREL TO SEDIMENT TRAP), SEDIMENT TRAP, SWALES, TEMPORARY EARTH RETAINMENT SILT FENCE. THE DEVELOPER IS RESPONSIBLE FOR SUBMITTING AS-BUILTS TO VERIFY THE SEDIMENT TRAP AND OTHER SEDIMENT CONTROL STRUCTURES HAVE BEEN INSTALLED CORRECTLY. DURATION.....3 WEEKS
- AFTER INSTALLATION OF SEDIMENT CONTROL MEASURES, CONTRACTOR TO NOTIFY ENGINEER TO OBTAIN CERTIFICATION OF SEDIMENT CONTROL MEASURES. UPON APPROVAL BY CITY OF ANNAPOLIS INSPECTOR OF SEDIMENT CONTROL MEASURES, CONTRACTOR MAY PROCEED WITH PROPOSED WORK. APPROVAL FROM THE SEDIMENT CONTROL INSPECTOR IS REQUIRED AFTER THE SEDIMENT CONTROLS ARE INITIALLY INSTALLED, AND IN BETWEEN EACH OF THE PHASES. AFTER APPROVAL, ANY PROPOSED CHANGES TO THE SEQUENCE MUST BE APPROVED BY THE CITY AND THE SOIL CONSERVATION DISTRICT. DURATION.....1 DAY

PHASE II

- UPON APPROVAL BY CITY OF ANNAPOLIS INSPECTOR OF SEDIMENT CONTROL MEASURES CONTRACTOR MAY PROCEED WITH WORK. BEGIN EXCAVATION, AS NECESSARY, FOR THE PROPOSED TOWNHOUSES (LOTS 26-31) AND THE PROPOSED SINGLE FAMILY UNITS (LOTS 47 & 48). BEGIN SITE ROUGH GRADING, USING STOCK PILED MATERIAL. DURATION.....3 WEEKS
- BEGIN INSTALLATION OF BASE STONE FOR THE INTERNAL STREETS, PRIOR TO BUILDING/HOUSE CONSTRUCTION. ENTIRE SITE MUST BE STABILIZED BEFORE BUILDING/HOUSE GOES VERTICAL. DURATION.....1 WEEK
- BEGIN INSTALLATION OF ON-LOT EROSION AND SEDIMENT CONTROL MEASURES AROUND THE PROPOSED TOWNHOMES AND SINGLE FAMILY DWELLING UNITS. REFER TO SHEETS C8.70 AND C8.80 FOR DETAILS. DURATION.....4 DAYS
- BEGIN BUILDING/HOUSE FOUNDATION CONSTRUCTION ONLY. BUILDING CONSTRUCTION MAY NOT PROCEED UNTIL ALL REMAINING DISTURBED AREAS HAVE BEEN PERMANENTLY OR TEMPORARILY STABILIZED. DURING BUILDING CONSTRUCTION BEYOND THE GROUND FLOOR, ALL DISTURBED AREAS MUST BE STABILIZED AT THE END OF EACH BUSINESS DAY. A CERTIFICATE MUST BE PROVIDED TO THE INSPECTOR VERIFYING THE GRADES AND DRAINAGE PATTERNS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN OBTAINED. DURATION.....4 MONTHS
- BEGIN UTILITY CONSTRUCTION. DURATION.....3 WEEKS

PHASE III

- UPON APPROVAL BY CITY OF ANNAPOLIS INSPECTOR OF SEDIMENT CONTROL MEASURES, CONTRACTOR MAY PROCEED WITH PROPOSED WORK. BEGIN CONSTRUCTION OF RETAINING WALLS, CURB & GUTTER, BASE PAVING, SIDEWALK AND ALL OTHER SITE IMPROVEMENTS. DURATION.....1 MONTH
- UPON COMPLETION OF THE TOWNHOUSES AND SINGLE FAMILY UNITS, FOR PART 1, THE CONTRACTOR SHALL CLOSE OFF THE STABILIZED CONSTRUCTION ENTRANCE AT YAWL ROAD. DURATION.....1 DAY
- BEGIN FINAL GRADING AND PERMANENT STABILIZATION. DURATION.....2 WEEKS
- BEGIN FINAL SURFACE PAVING AND MILL & OVERLAY OF EXISTING PAVING. DURATION.....1 WEEK
- BEGIN INSTALLATION OF ALL MICRO-BIORETENTION (SWM) FACILITIES, INCLUDING UNDERDRAINS, WITH THE EXCEPTION OF MB-3 AS THE SEDIMENT TRAP MUST REMAIN IN PLACE. DURATION.....2 WEEKS
- WITH THE SEDIMENT CONTROL INSPECTOR'S APPROVAL, REMOVE THE REMAINING SEDIMENT CONTROL FACILITIES, AND PERMANENTLY STABILIZE ANY REMAINING DISTURBED AREAS. DURATION.....1 WEEK
- CONVERT THE SEDIMENT TRAP TO MICRO-BIORETENTION (MB-3), AND PERMANENTLY STABILIZE DISTURBED AREAS. REFER TO THE DETAILED GRADING PLAN (SHEET C8.20), FOR TRAP CONVERSION/FINAL GRADING. DURATION.....1 WEEK
- INSTALL ALL FINAL SWM PLANTINGS AND SITE LANDSCAPING. DURATION.....1 WEEK
- SUBMIT FINAL "AS-BUILT" PLANS TO THE CITY OF ANNAPOLIS, FOR APPROVAL. AS-BUILT PLANS SHALL INCLUDE COPIES THAT ARE ARCHIVAL MYLAR. DURATION.....2 WEEKS

NOTE: DURATIONS FOR TASKS, SHOWN ABOVE, ARE ESTIMATES. THE CONTRACTOR SHALL ADJUST TIMELINES AS NECESSARY, WITH APPROVAL FROM THE CITY OF ANNAPOLIS, SEDIMENT CONTROL INSPECTOR.

CONSULTANTS CERTIFICATION

THE DEVELOPER'S PLAN TO CONTROL SILT AND EROSION IS ADEQUATE TO CONTAIN THE SILT AND EROSION ON THE PROPERTY COVERED BY THE PLAN. I CERTIFY THAT THIS PLAN OF EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THIS SITE, AND WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ANNE ARUNDEL SOIL CONSERVATION DISTRICT PLAN SUBMITTAL GUIDELINES AND THE CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SEDIMENT AND EROSION CONTROL. I HAVE REVIEWED THIS EROSION AND SEDIMENT CONTROL PLAN WITH THE OWNER/DEVELOPER.

SIGNATURE P. V. Mellits DATE 5-30-14

MD, P.E. License# 21875

NAME (PRINT) Piero V. Mellits, P.E., LEED AP

FIRM NAME McLaren Engineering Group
ADDRESS 601 E. Pratt Street, Suite 302
Baltimore, MD 21202

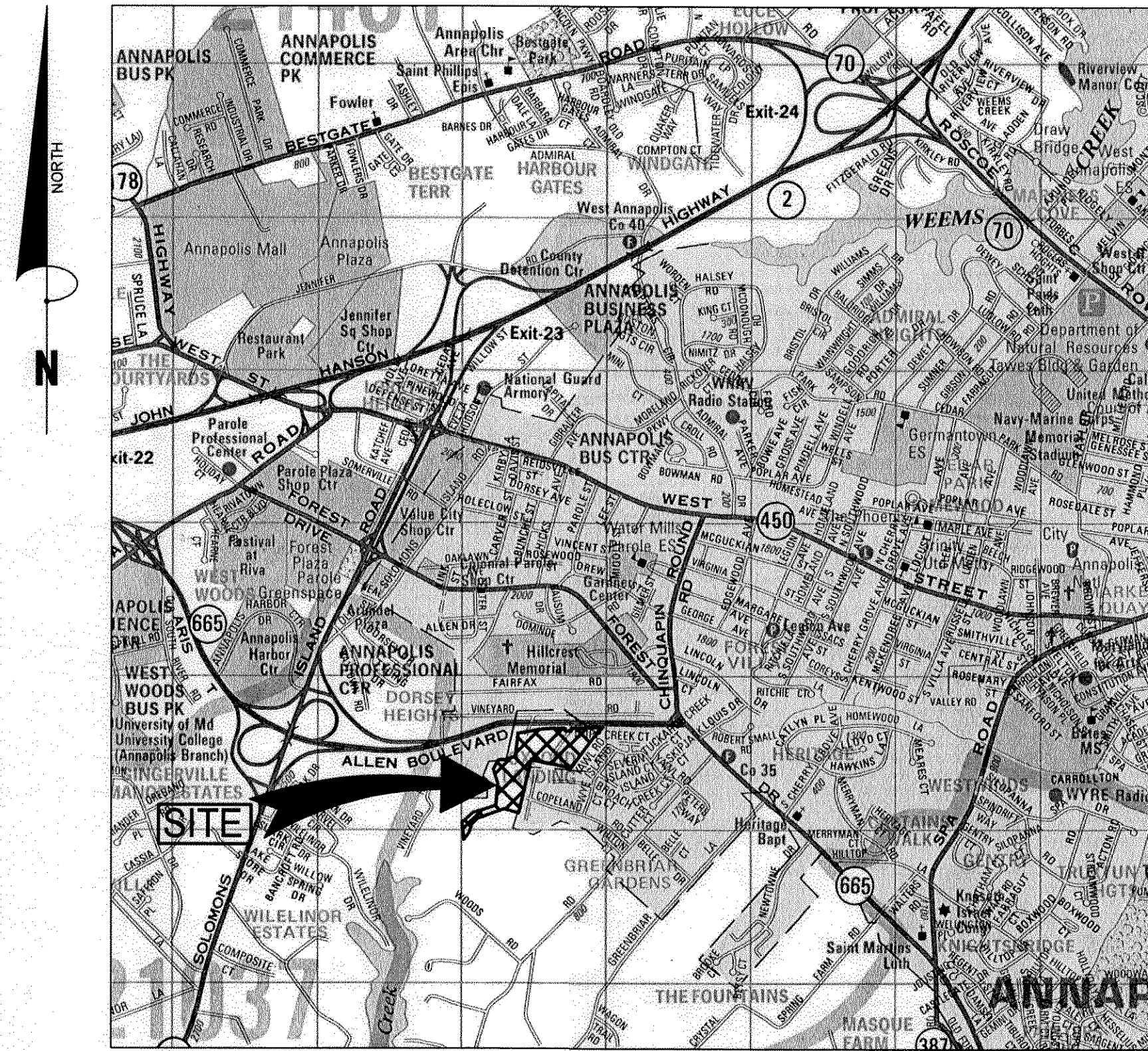
THESE PLANS ARE BASED UPON PLANS TITLED "ARIS ALLEN BOULEVARD, LLC MIXED RESIDENTIAL" CREATED BY BOWMAN CONSULTING, PORTIONS OF WHICH ARE USED HEREIN.

ARIS T. ALLEN BOULEVARD, LLC

MIXED RESIDENTIAL

FINAL ENGINEERING PLAN

CITY OF ANNAPOLIS, MARYLAND



VICINITY MAP

1" = 200'

0' 1000' 2000' 4000'

STANDARD RESPONSIBILITY NOTES

1. (WE) CERTIFY THAT:

A. ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH THE SEDIMENT AND EROSION CONTROL PLAN, AND FURTHER, AUTHORIZE THE RIGHT OF ENTRY FOR PERIODIC ON-SITE EVALUATION BY THE ANNE ARUNDEL SOIL AASCD CONSERVATION DISTRICT BOARD OF SUPERVISORS OR THEIR AUTHORIZED AGENTS.

B. ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE FROM THE MARYLAND DEPARTMENT OF THE ENVIRONMENT'S APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.

RESPONSIBLE PERSONNEL ON SITE:

2. THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS, AND/OR RIGHT-OF-WAY THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORMWATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORMWATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN.

3. FOR INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT AND/OR TEMPORARY STABILIZATION PER THE AASCD DETAILS AND SPECIFICATIONS FOR VEGETATIVE ESTABLISHMENT SHALL BE COMPLETED WITHIN THREE CALENDAR DAYS FOR THE SURFACE OF ALL CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND SEVEN DAYS FOR ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

SITE INFORMATION (PART 1 ONLY):

TOTAL AREA OF SITE: 23.38 ACRES
AREA DISTURBED: 4.10 ACRES
AREA TO BE ROOFED OR PAVED: 0.91 ACRES
TOTAL CUT: 6,368 CU.YDS.
TOTAL FILL: 12,012 CU.YDS.
NET (FILL): 5,044 CU.YDS.
OFFSITE WASTE/BORROW: 5,044 CU.YDS.
AREA LOCATION: CITY OF ANNAPOLIS, MARYLAND, ARIS T. ALLEN BOULEVARD

ATTORNEY

HYATT & WEBER, PA
ALAN HYATT
SEVERN BANK BUILDING
200 WESTGATE CIRCLE, SUITE 500
ANNAPOLIS, MD 21401
(410) 266-0626

APPLICANT

RL BB ACQ II MD RGD, LLC
JUAN C. CUETO
700 NW 107TH AVENUE
SUITE 400
MIAMI, FL 33172
(305) 485-2584

CIVIL ENGINEER

McLAREN ENGINEERING GROUP
PIERO V. MELLITS, P.E., LEED AP
601 E. PRATT STREET
SUITE 302
BALTIMORE, MD 21202
(410) 243-8787

GENERAL NOTES

- TOPOGRAPHY IS AERIAL AND SUPPLEMENTED BY: BOWMAN CONSULTING GROUP (BCG) JANUARY 2007.
- HORIZONTAL DATUM: MD STATE PLANE COORDINATE SYSTEM NAD 83/91.
- VERTICAL DATUM: NATIONAL ADJUSTED VERTICAL DATUM 1988 (NAVD 88).
- NECESSARY PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT EXISTING SERVICES AND MAINS, AND ANY DAMAGE TO THEM BY THE CONTRACTOR SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE EXISTING UTILITIES AND OBSTRUCTIONS SHOWN ARE FROM THE BEST AVAILABLE RECORDS AND ADDITIONAL SURVEY PERFORMED BY BCG. LOCATIONS OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR TO HIS OWN SATISFACTION BEFORE STARTING CONSTRUCTION. NEITHER THE OWNER NOR CITY OF ANNAPOLIS DEPARTMENT OF PUBLIC WORKS WARRANT OR GUARANTEE THE COMPLETENESS OR THE CORRECTNESS OF THE INFORMATION GIVEN.
- IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO SPECIFICALLY MENTION ANY WORK WHICH WOULD NORMALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PERFORM SUCH WORK.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING, FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS:
BCG..... (410) 234-5691
VERIZON TELEPHONE COMPANY..... (310) 393-3648
CITY OF ANNAPOLIS DEPARTMENT OF PUBLIC WORKS..... (410) 263-7949
DEPARTMENT OF NEIGHBORHOOD AND ENVIRONMENTAL PROGRAMS (DNEP)..... (410) 263-7946
'MISS UTILITY'..... (800) 257-7777
- CONTRACTOR SHALL NOTIFY McLAREN ENGINEERING GROUP AT 410-243-8787 PRIOR TO STARTING CONSTRUCTION TO VERIFY THAT THEY HAVE THE MOST CURRENT SET OF APPROVED PLANS.
- EARTH MOVING: ANY STOCKPILE NECESSARY SHALL REMAIN WITHIN THE LIMITS PROTECTED BY SEDIMENT CONTROL MEASURES. ANY EXCESS SPOIL OR BORROW MATERIAL SHALL BE TAKEN TO OR BE OBTAINED FROM CITY OF ANNAPOLIS OR ANNE ARUNDEL COUNTY APPROVED SITE.
- THE CONTRACTOR SHALL BE IN ACCORDANCE WITH THE "CITY OF ANNAPOLIS DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS AND CONSTRUCTION DETAILS", AUGUST 1988 AND ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS "STANDARD DETAILS FOR CONSTRUCTION", JANUARY 2001, EXCEPT AS OTHERWISE NOTED.
- THE CONTRACTOR SHALL NOTE THAT IN CASE OF A DISCREPANCY BETWEEN THE SCALED AND THE FIGURED DIMENSIONS SHOWN ON THESE PLANS, THE FIGURED DIMENSIONS SHALL GOVERN.
- CONTROLLED GRANULAR FILL SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY IN ACCORDANCE WITH A.A.S.H.T.O. DESIGNATION T-180 METHOD C.
- THE MEASURES REQUIRED ON THE APPROVED SEDIMENT CONTROL PLAN APPLY AS SHOWN ON THIS PLAN AND SHALL BE COMPLETE AND IN SERVICE PRIOR TO BEGINNING CONSTRUCTION SHOWN ON THIS PLAN.
- ALL EROSION AND SEDIMENT CONTROL WORK SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF THE MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS ISSUED BY THE U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE.
- ALL RETAINING WALLS SHALL BE PRIVATE AND MAINTAINED BY THE HOA.

BENCHMARKS

NO.	DESCRIPTION	ELEVATION
1	SMH RIM	66.75'
2	SMH RIM	57.91'
3	SDMH RIM	48.37'

SHEET INDEX

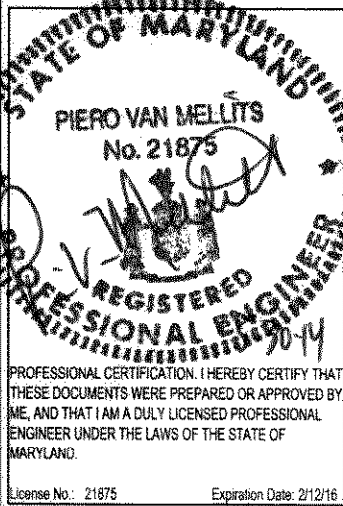
AASCD # 1 SP # C1.00

- COVER SHEET
- LEGEND, ZONING AND VICINITY MAP
- PLANNED DEVELOPMENT OPINION & RESOLUTION
- PLANNED DEVELOPMENT OPINION & RESOLUTION
- OVERALL EXISTING CONDITIONS & DEMOLITION PLAN
- DETAILED EXISTING CONDITIONS & DEMOLITION PLAN
- DETAILED EXISTING CONDITIONS & DEMOLITION PLAN
- EXISTING TREE SCHEDULE
- SITE DIMENSION PLAN
- PAVEMENT MARKING & SIGNAGE PLAN
- OVERALL GRADING PLAN
- DETAILED GRADING PLAN
- DETAILED GRADING PLAN
- UTILITY PLAN
- SCHEMATIC DRY UTILITY PLAN
- EROSION & SEDIMENT CONTROL PHASE 1
- EROSION & SEDIMENT CONTROL PHASE 2
- EROSION & SEDIMENT CONTROL PHASE 3
- PRELIMINARY EROSION & SEDIMENT CONTROL PART 2
- EROSION & SEDIMENT CONTROL NOTES
- EROSION & SEDIMENT CONTROL DETAILS
- EROSION & SEDIMENT CONTROL DETAILS
- EROSION & SEDIMENT CONTROL DETAILS
- RETAINING WALL PROFILES
- EXISTING DRAINAGE DIVIDE PLAN
- PROPOSED SWM DRAINAGE DIVIDE PLAN
- STORMWATER MANAGEMENT PLAN
- STEP POOL STORM CONVEYANCE PLAN
- PROPOSED STORM SEWER DRAINAGE DIVIDE PLAN
- STORM DRAIN PROFILES
- STORM DRAIN COMPUTATIONS AND SCHEDULES
- SANITARY SEWER PROFILES
- WATERLINE PROFILES
- YAWL ROAD PLAN & PROFILE
- SYDNEY CIRCLE PLAN & PROFILE
- NORTH PRIVATE ALLEY PLAN & PROFILE
- SOUTH PRIVATE ALLEY PLAN & PROFILE
- EMERGENCY VEHICLE TURNING MOVEMENTS
- SITE DETAILS
- SITE DETAILS
- SITE DETAILS
- SITE DETAILS
- SITE DETAILS
- SITE DETAILS

LANDSCAPE & FSD SHEETS

- SP # L1.0 OVERALL LANDSCAPE PLAN
- L1.1 LANDSCAPE PLAN
- L1.2 LANDSCAPE PLAN
- L1.3 TYPICAL UNIT ENLARGEMENT PLAN
- L1.4 STORM WATER FACILITY PLANTING PLAN
- L1.5 STORM WATER FACILITY PLANTING PLAN
- L1.6 STORM WATER FACILITY PLANTING PLAN
- L2.0 PLANT SCHEDULE
- L2.1 LANDSCAPE NOTES
- L2.2 PLANTING DETAILS
- L2.3 PLANTING DETAILS
- L2.4 SOIL IMPROVEMENT PLAN
- L3.0 HARDSCAPE DETAILS
- L4.0 LIGHTING PLAN AND PHOTOMETRIC STUDY
- L4.1 LIGHTING PLAN AND PHOTOMETRIC STUDY
- L4.2 LIGHTING DETAIL SHEET
- FSD-1 OVERALL FOREST STAND DELINEATION PLAN
- FSD-2 DETAILED FOREST STAND DELINEATION PLAN
- FSD-3 DETAILED FOREST STAND DELINEATION PLAN
- FCP-1 OVERALL FOREST CONSERVATION PLAN
- FCP-2 DETAILED FOREST CONSERVATION PLAN
- FCP-3 DETAILED FOREST CONSERVATION PLAN
- FCP-4 FOREST CONSERVATION NOTES & DETAILS

PROJECT
ARIS T. ALLEN BOULEVARD
RESIDENTIAL PLANNED DEVELOPMENT
PART 1 - LOTS 26 - 31, 47 & 48
6TH ELECTION DISTRICT
CITY OF ANNAPOLIS, MARYLAND
TAX MAP/GRID: 515B



PROFESSIONAL CERTIFICATION (HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.)

License No. 21875 Expiration Date 3/31/19

SHEET TITLE

COVER SHEET

PROJECT NO. 130003.01
SCALE AS SHOWN
DATE 5/30/2014
DRAWN BY JDS/CLW
CHECKED BY PVM/TJC
DRAWING NO. AASCD #1 OF 9
C1.00
1 of 66 SHEETS

COPYRIGHT © 2014, McLAREN ENGINEERING GROUP